

## CLAIMS

1. An symmetric digital subscriber line telephone filter comprising a bottom cover shell, a circuit board mounted in said bottom cover shell, said circuit board comprising winding means and capacitor means, a top cover shell covered on said bottom cover shell over said circuit board, and a communication cable having one end electrically connected to said circuit board and an opposite end terminating in a RJ45 plug for connection to a RJ45 jack, wherein said circuit board comprises a first RJ45 jack electrically connected to said communication cable and adapted to receive the RJ45 plug of an external symmetric digital subscriber line, and a second RJ45 jack electrically connected to said communication cable and adapted to receive the RJ45 plug of a telephone line.

2. The symmetric digital subscriber line telephone filter of claim 1 wherein said bottom cover shell comprises a transverse front opening, and two upright locating posts, said upright locating posts each defining a plug hole; said top cover shell comprises a transverse front opening matching the transverse front opening of said bottom cover shell, and two bottom locating rods respectively fastened to the upright locating posts of said bottom cover shell, said bottom locating rods each having a round pin respectively plugged into the plug hole of each of said upright locating posts; said circuit board is retained between the upright locating pots of said bottom cover shell and the bottom locating rods of said top cover shell, having two through holes for the passing of the round pin of each of the bottom locating rods of said top cover shell.

3. The symmetric digital subscriber line telephone filter of claim 1 wherein said top cover shell comprises a plurality of bottom hook holes, and said bottom cover shell comprises a plurality of top hooks respectively hooked in the bottom hook holes of said top cover shell.